

Student Learning Outcomes Assessment Plan

Date: January 1998

Certificate or Degree program: Bachelor of Science Computer Science

Mission: We shall provide quality undergraduate education consistent with the requirements of the Computer Science Accreditation Board (CSAB), the recommendations of the CS Advisory Board*, and responsive to the needs of individual students and the diverse population of Alaska.

*The CS Advisory Board is made up of industry representatives and former students. They make recommendations to the CS faculty regarding the program.

Goal: To assure that our graduates are adequately prepared to succeed in the job market in computer science or a closely related field.

INTENDED OUTCOMES/ OBJECTIVES	ASSESSMENT CRITERIA	IMPLEMENTATION PROCEDURES (who, when, what)
1) Students will display effective mathematical skills and background for use in the world of computer science.	ENTRY LEVEL ASSESSMENT: A) SAT/ACT Mathematics Scores B) High School transcript courses and grades C) College-level transcript courses and grades	ENTRY LEVEL: Admissions will consult department if student declares CS as a major and does not appear ready to matriculate in calculus. CS coordinator will obtain materials to determine if student qualifies for entry into the CS program.
	EXIT LEVEL ASSESSMENT: A) Grades in MATH 200, 201, 307 and STAT 300..	EXIT LEVEL: Advisor will confirm completion of MATH 200, 201, 307 and STAT 300 with a grade of C or better.
2) Students will display effective written communication skills for use in the world of computer science.	ENTRY LEVEL ASSESSMENT: A) SAT/ACT verbal scores B) High School transcript English courses and grades.	ENTRY LEVEL: Advisor will use assessment criteria to place students in appropriate English classes to ensure progress towards degree.
	EXIT LEVEL ASSESSMENT: Portfolio created in partial fulfillment of requirements for CS 402, senior project course.	EXIT LEVEL: Selected portfolios are examined by instructors, CS Advisory Board and CSAB accreditation teams to ensure consistency with national standards.
3) Students will display effective oral communication skills for use in the world of computer science.	ENTRY LEVEL ASSESSMENT: None	ENTRY LEVEL: None
	EXIT LEVEL ASSESSMENT: Oral presentations in CS 402, the senior project course.	EXIT LEVEL: CS 402 instructor will video tape presentations for selected review

		by CS faculty, and CS Advisory Board.
4) Students will develop technical skills in computer science.	ENTRY LEVEL ASSESSMENT: A) High School transcript computer programming courses and grades B) College-level computer programming courses and grades	ENTRY LEVEL: Advisor will examine assessment materials to determine appropriate placement for student.
	EXIT LEVEL ASSESSMENT: A) Exit interviews B) Job placement	EXIT LEVEL: Exit interview summaries will be reviewed by computer science faculty and CS Advisory Board to identify strengths and weaknesses in program. Job placement and salaries indicate employer confidence in program. (The continued contact between primary employers and CS faculty also provides valuable insight.)
	ASSESSMENT OF ALUMNI: A) Alumni Surveys	ALUMNI: Surveys are sent biannually to all reachable alumni to gather information including job placement, graduate school information, salaries, and strengths/weaknesses in the program. Summary information is distributed to computer science faculty, CSAB team and CS Advisory Board